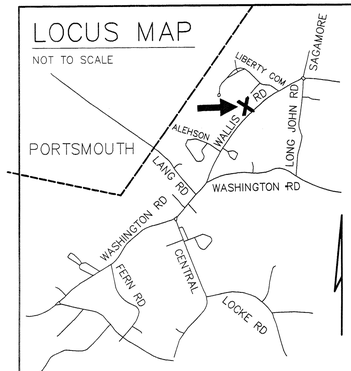
LOCUS MAP

NOT TO SCALE



SOIL CLASS: 510 HOOSIC

(SOURCE: USDA–SCS SOIL SURVEY)

BENCH MARKS: DATUM = ASSUMED

#1 SET NAIL STUMP EL 50.91

#2 SET NAIL 24" OAK EL 50.20

#3 SET PK EL 50.00

DESIGN INTENT:

1. THE BOTTOM OF THE EFFLUENT DISPOSAL SYSTEM SHALL BE CONSTRUCTED AT ELEVATION 47.5
2. THERE IS/ARE APPROX 2.0 FT BELOW ORIGINAL GROUND ON THE HIGH CONTOUR THE DESIGNED EDS.

SUITABLE REPLACEMENT AREA:

SYSTEM MUST BE REBUILT IN PLACE OR REDESIGNED.

LEGEND:

- 50 / (50) — EXISTING CONTOUR / PROPOSED CONTOUR
- 50.0 / (50.0) — EXISTING SPOT ELEVATION / PROPOSED SPOT ELEVATION

NOTES:

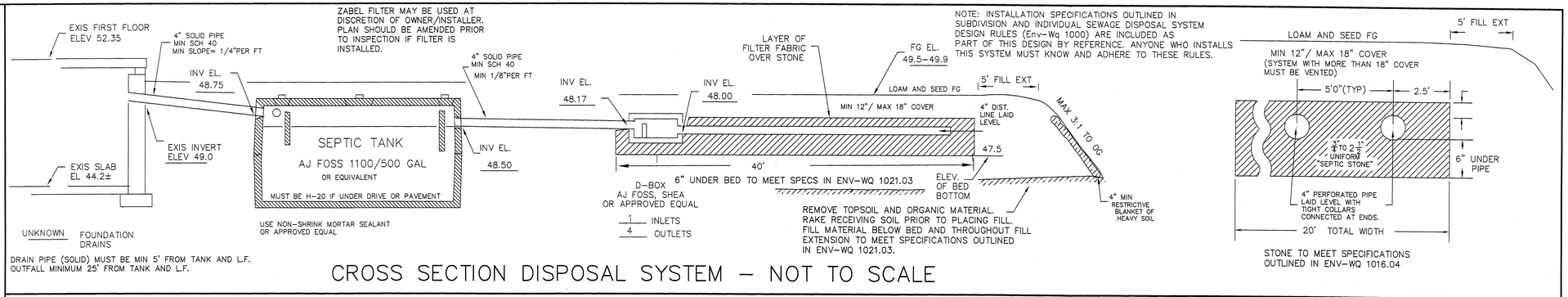
1. THIS PLAN IS NOT TO BE CONSTRUED AS A BOUNDARY SURVEY. PROPERTY LINES SHOWN ARE APPROXIMATED BASED ON INFORMATION FROM THE FOLLOWING SOURCE:

   RCRD 3145–2738

2. NHDES–WS&PCD SUBDIVISION APPROVAL NUMBER:

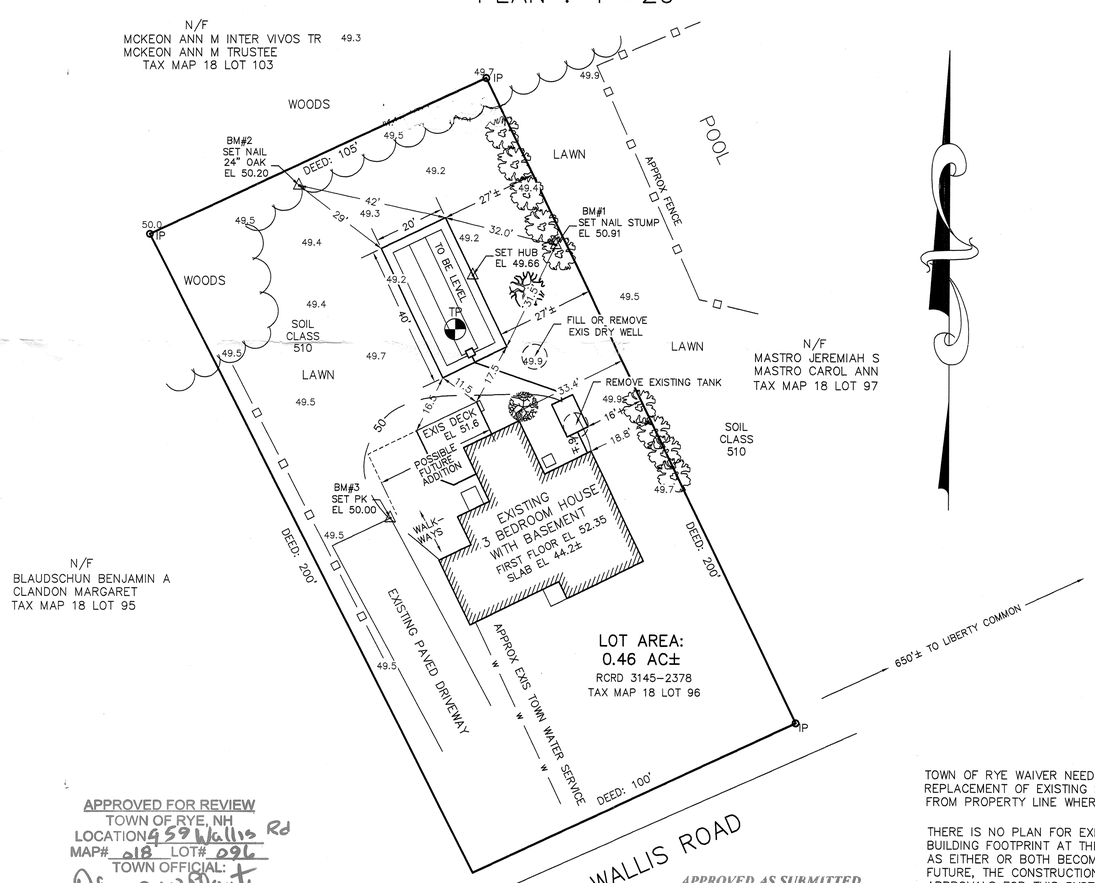
   N/A PRE 1967 SEE RCRD 940–348 (1938)

3. THIS SYSTEM IS NOT DESIGNED TO HANDLE GARBAGE DISPOSAL, JACUZZI BATH, OR SEWAGE EJECTOR PUMP WASTE. BACKWASH FROM WATER SOFTENER SYSTEMS SHOULD BE DISCHARGED TO A SEPARATE DRYWELL.
4. a) NO SURFACE WATER WITHIN 75' b) NO WELLS WITHIN 75' c) NO HYDRIC B SOILS WITHIN 75' d) NO HYDRIC A SOILS WITHIN 75' — OF PROPOSED SYSTEM
5. DESIGNER MUST BE CONSULTED FOR ANY PROPOSED CHANGES OR ERRORS/DISCREPANCIES FOUND DURING SYSTEM INSTALLATION. (603 929–7404) INSTALLER IS RESPONSIBLE FOR ANY TOWN PERMITS OR INSPECTIONS REQUIRED FOR THIS INSTALLATION.
6. PROPOSED ISDS IS DESIGNED TO SERVICE 1 STRUCTURE WITH DISHWASHER, WASHING MACHINE, TOILETS, AND TUB/SHOWERS. THERE IS NO KNOWN BURIAL SITE OR CEMETERY ON THE LOT OR THE ABUTTING LOT WITHIN 100' OF ANY COMPONENT OF THE ISDS OR WELL
7. THIS DESIGN IS SUBMITTED PURSUANT TO PUMPER REPORT OF FAILURE OF EXISTING 60+ YR OLD SYSTEM.


ZABEL FILTER MAY BE USED AT DISCRETION OF OWNER/INSTALLER. PLAN SHOULD BE AMENDED PRIOR TO INSPECTION IF FILTER IS INSTALLED.
EXIS FIRST FLOOR ELEV 52.35
4" SOLID PIPE MIN SCH 40 MIN SLOPE= 1/4"PER FT
INV EL. 48.75
EXIS INVERT ELEV 49.0
EXIS SLAB EL 44.2±
SEPTIC TANK
AJ FOSS 1100/500 GAL
OR EQUIVALENT
MUST BE H–20 IF UNDER DRIVE OR PAVEMENT
4" SOLID PIPE MIN SCH 40 MIN 1/8"PER FT
INV EL. 48.50
USE NON–SHRINK MORTAR SEALANT OR APPROVED EQUAL
UNKNOWN FOUNDATION DRAINS
DRAIN PIPE (SOLID) MUST BE MIN 5' FROM TANK AND L.F.
OUTFALL MINIMUM 25' FROM TANK AND L.F.
INV EL. 48.17
INV EL. 48.00
LAYER OF FILTER FABRIC OVER STONE
FG EL. 49.5–49.9
LOAM AND SEED FG
5' FILL EXT
MIN 12"/ MAX 18" COVER
4" DIST. LINE LAID LEVEL
MAX 3:1 TO OG
47.5
40'
D–BOX
AJ FOSS, SHEA OR APPROVED EQUAL
1 INLETS
4 OUTLETS
6" UNDER BED TO MEET SPECS IN ENV–WQ 1021.03
ELEV. OF BED BOTTOM
4" MIN RESTRICTIVE BLANKET OF HEAVY SOIL
NOTE: INSTALLATION SPECIFICATIONS OUTLINED IN SUBDIVISION AND INDIVIDUAL SEWAGE DISPOSAL SYSTEM DESIGN RULES (Env–Wq 1000) ARE INCLUDED AS PART OF THIS DESIGN BY REFERENCE. ANYONE WHO INSTALLS THIS SYSTEM MUST KNOW AND ADHERE TO THESE RULES.
REMOVE TOPSOIL AND ORGANIC MATERIAL. RAKE RECEIVING SOIL PRIOR TO PLACING FILL. FILL MATERIAL BELOW BED AND THROUGHOUT FILL EXTENSION TO MEET SPECIFICATIONS OUTLINED IN ENV–WQ 1021.03.
5' FILL EXT
LOAM AND SEED FG
MIN 12"/ MAX 18" COVER (SYSTEM WITH MORE THAN 18" COVER MUST BE VENTED)
5'0"(TYP)
2.5'
3" TO 2½" UNIFORM "SEPTIC STONE"
6" UNDER PIPE
4" PERFORATED PIPE LAID LEVEL WITH TIGHT COLLARS CONNECTED AT ENDS.
20' TOTAL WIDTH
STONE TO MEET SPECIFICATIONS OUTLINED IN ENV–WQ 1016.04

CROSS SECTION DISPOSAL SYSTEM – NOT TO SCALE

PLAN : 1"=20'



APPROVED FOR REVIEW
TOWN OF RYE, NH
LOCATION 459 Wallis Rd
MAP# 018 LOT# 096
TOWN OFFICIAL:
DATE: 6/19/15
FOR REVIEW BY NHDES

Town of Rye
BUILDING PERMIT IS REQUIRED
Before Construction Begins

APPROVED AS SUBMITTED
Date 6/22/15
By
RYE WATER DISTRICT
436-2596

TOWN OF RYE WAIVER NEEDED TO ALLOW REPLACEMENT OF EXISTING SEPTIC TANK APPROX 16' FROM PROPERTY LINE WHERE 20' IS REQUIRED

THERE IS NO PLAN FOR EXPANDED LOADING OR BUILDING FOOTPRINT AT THIS TIME. AT SUCH TIME AS EITHER OR BOTH BECOME NECESSARY IN THE FUTURE, THE CONSTRUCTION AND OPERATIONAL APPROVALS FOR THIS SYSTEM WILL ALLOW FOR AN ENLARGED FOOTPRINT WITHIN THE LIMITS SHOWN AND/OR AN INCREASE IN BEDROOMS TO 4.

TP TEST PIT DATA

DATE: JUNE 3, 2015

TOWN INSPECTOR: DENNIS PLANTE

TEST PIT #1 EL 49.5±

0 –16" 10YR4/6 FINE SANDY LOAM, GRANULAR FRIABLE
16–26" 10YR5/6 GRAVELLY LOAMY SAND, GRANULAR FRIABLE
26–96" 2.5Y5/4 GRAVELLY MED TO COARSE SAND WITH COBBLES, LOOSE, SINGLE GRAIN

NO EVIDENCE OF SHWT, NO OBSERVED WATER, NO REFUSAL ROOTS TO 3'+

PT PERC TEST DATA

DESIGN PERC RATE: 2 MIN/IN

DESIGN LOADING: EXISTING 3 BEDROOM HOUSE
DESIGN ALLOWS FOR POSSIBLE FUTURE EXPANSION TO 4 BEDROOMS

AREA REQUIRED: 560 SF REQUIRED FOR 3 BEDROOMS
750 SF REQUIRED FOR 4 BEDROOMS

AREA PROPOSED: 20' X 40' = 800 SF PROVIDED

PROPOSED REPLACEMENT

SEPTIC SYSTEM PLAN

EXISTING FAILED SYSTEM

LOCUS: 459 WALLIS ROAD
RYE, NH (TAX MAP 18 LOT 96)

OWNER: SULLIVAN LIVING TRUST
SHELDON & JANET SULLIVAN TRUSTEES
459 WALLIS ROAD
RYE, NH 03870

NEW HAMPSHIRE Designer of Subsurface Disposal Systems ★★★ Anne W. Bialobrzeski No. 348 Department of Environmental Services

APPLICANT:
STOCKTON SERVICES
PO BOX 1306
HAMPTON, NH 03843–1306
603 929–7404

DATE: JUNE 16, 2015

APPROVAL:

SYSTEM OWNER IS RESPONSIBLE FOR THE FOLLOWING OPERATING REQUIREMENTS

ENV–WS 1023.01 (a) SEPTIC TANKS SHALL BE INSPECTED FOR ACCUMULATION OF SLUDGE AND SURFACE SCUM AT LEAST ONCE EVERY YEAR. (b) WHEN THE COMBINED THICKNESS OF SLUDGE AND SURFACE SCUM EQUAL 1/3 OR MORE OF THE TANK DEPTH, THE TANK SHALL BE PUMPED BY A LICENSED SEPTIC TANK PUMPER.
ENV–WS 1023.02 TO PREVENT OBSTRUCTION OF THE DISTRIBUTION LINES AND LEACH FIELD, GREASE AND BULKY WASTE SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.
ENV–WS 1023.03 TOXIC AND HAZARDOUS MATERIALS SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.
ENV–WS 1023.04 TO PREVENT DAMAGE TO THE DISTRIBUTION LINES AND LEACH FIELD, VEHICLES, LIVESTOCK, AND OTHER HEAVY OBJECTS SHALL NOT BE ALLOWED ON THE LEACH FIELD.
ENV–WS 1023.05 IF WET AREAS APPEAR ON THE GROUND SURFACE ABOVE THE DISTRIBUTION LINES OR LEACH FIELD OR IF DISAGREEABLE ODORS OCCUR, THE SYSTEM SHALL BE INSPECTED FOR THE SOURCE OF THESE PROBLEMS, AND CORRECTIVE ACTION SHALL BE TAKEN.

T PLAN

APPROX

REVIEWED AND APPROVED
IN ACCORDANCE WITH THE REQUIREMENTS OF THE NH DEPT OF ENVIRONMENTAL SERVICES
WATER DIVISION
Eric Thomas
Date: 6/26/2015
#eCA2015062613